



Attorney's Docket No.: 003364.P020

#14/85(15)  
8.22.02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application for:

Jae-Yul Ryu, et al.

Serial No.: 09/363,578

Filed: July 29, 1999

For: CARBONACEOUS ACTIVE  
MATERIAL FOR LITHIUM  
SECONDARY BATTERY

Examiner: Ruthkosky, M.

Art Group: 1745

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AMENDMENT AND RESPONSE TO OFFICE ACTION

Box AF  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

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TC-1700

In response to the Final Office Action mailed June 6, 2002, Applicants respectfully request entry of the amendments set forth below and consideration of the remarks which follow.

IN THE CLAIMS

The claims have been amended as follows.

1. (Five Times Amended) A carbonaceous active material comprising:  
at least one crystalline graphite core; and  
an amorphous graphitizable carbon shell coating the outside of the crystalline graphite core wherein a differential thermal analysis conducted on the carbonaceous active material in 10°C increments per minute starting from room temperature and proceeding to 1000°C at atmospheric pressure results in the displaying of at least two exothermic peak overlapping to form shoulders, and the amorphous graphitizable carbon shell coating is derived from an amorphous carbon precursor selected from the group consisting of coal pitch, petroleum pitch, coal-based oil, and heavy oil.